

### 3-Phase Voltage/Phase Monitor



FEATURES	BENEFITS
<b>Compact, quick mounting design</b>	1-screw mounting saves time and space. Small footprint ideal for assembly into panels.
<b>Proprietary microcontroller based circuitry</b>	Constant monitoring of single-phase, low voltage, high voltage, voltage unbalance, phase reversal, harmful power line conditions.
<b>Auto-sensing wide voltage range (202 &amp; 202-RP)</b>	Automatically senses system voltage between 90–480 V ac. Saves setup time.
<b>Advanced LED diagnostics</b>	Quick visual indicator for cause of trip. LED indications include: normal operation, restart delay, reverse-phase trip, fault
<b>Adjustable trip delay (202)</b>	Prevent nuisance tripping due to rapidly fluctuating power line conditions.

MODEL	LINE VOLTAGE	DESCRIPTION
202	190–480 V ac	Standard protection with low/high voltage trip, voltage unbalance
202-RP	190–480 V ac	Trips on reverse-phase only
202-575-RP	475–600 V ac	Designed for higher voltage systems and trips on reverse-phase only

## 202 SERIES

### Specifications

Frequency	50*/60 Hz
<b>Functional Characteristics</b>	
Phase Sequence	ABC
<b>Low Voltage (% of setpoint)</b>	
Trip	90 %
Reset	93 %
<b>High Voltage (% of setpoint)</b>	
Trip	110 %
Reset	107 %
<b>Voltage Unbalance (NEMA)</b>	
Trip	6 %
Reset	4.5 %
<b>Trip Delay Time</b>	
High and Low Voltage	4 seconds
Unbalance & Phasing Faults	2 seconds
<b>Restart Delay Time</b>	
After a Fault	Manual, 2–300 seconds adj.
After a Complete Power Loss	Manual, 2–300 seconds adj.

### Output Characteristics

#### Output Contact Rating (SPDT)

Pilot Duty	480 VA @ 240 V ac
General Purpose	10 A @ 240 V ac

### General Characteristics

Temperature Range	-40° to 70°C (-40° to 158°F)
Trip & Reset Accuracy	±1 %
Repeatability	±0.5 %
Maximum Input Power	5 W
Relative Humidity	95 %, non-condensing
Transient Protection	IEC 61000-4-5, ±4 kV
Hi-potential Test	Meets UL 508 (2x rated V+1000 V for 1 minute)
Termination	0.25" male quick connect

### Termination

### Safety Marks

### UL Recognized

### Dimensions

UL 508 (File #E68520)  
**H** 63.5 mm (2.5"); **W** 63.5 mm (2.5");  
**D** 35.56 mm (1.4")  
0.5 lb. (8 oz., 226.8 g)  
1/4" socket head cap screw  
(customer supplied)

### Weight

### Mounting Method

\*Note: 50 Hz will increase all delay timers by 20 %. CE Pending

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